

WHAT IS CLAIMED IS:

Sub 95/1. A data recorder-reproducer comprising a recording medium
cont which can be accessed at random and plural input/output
processing means for processing input data including video and/or
audio data and outputting and recording them in said recording
medium and for processing and outputting data reproduced from
said recording medium, in which said plural input/output
processing means access said recording medium within respectively
allotted time slot duration to input and output said data, said
data recorder-reproducer comprising:

taking-in means for taking in bit map data input from the
external; and

superimposing processing means for superimposing said bit
map data taken in by said taking-in means upon the data output
from said recording medium or said input data.

2. The data recorder-reproducer according to claim 1, wherein
said bit map data is input to said taking-in means through
an Ether-network.

3. The data recorder-reproducer according to claim 1, wherein
said bit map data is recorded in a detachable memory card
and said bit map data recorded in said memory card is taken in by
inserting said memory card into said taking-in means.

memory card and said second control program data recorded in said memory card is taken in by inserting said memory card into said taking-in means.

7. A data recorder-reproducer comprising a recording medium which can be accessed at random and plural input/output processing means for processing input data including video and/or audio data and outputting and recording them in said recording medium and for processing and outputting data reproduced from said recording medium, in which said plural input/output processing means access said recording medium within respectively allotted time slot duration to input and output said data, said data recorder-reproducer comprising:

taking-in means for taking in setting data which is input from the external and is previously given in processing of plural input/output processing means; and

setting changing means for changing settings corresponding said input/output means based on said setting data taken in by said taking-in means.

8. The data recorder-reproducer according to claim 7, wherein said setting data is taken in by said taking-in means through an Ether-network.

9. The data recorder-reproducer according to claim 7, wherein

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4. A data recorder-reproducer comprising a recording medium which can be accessed at random and plural input/output processing means for processing input data including video and/or audio data and outputting and recording them in said recording medium and for processing and outputting data reproduced from said recording medium, in which said plural input/output processing means access said recording medium within respectively allotted time slot duration to input and output said data, said data recorder-reproducer comprising:

rewritable storing means for storing first control program data which is used for processing of said plural input/output processing means;

taking-in means for taking in second control program which is input from the external and is used for processing of said plural input/output processing means; and

rewriting means for rewriting said first control program data stored in said storing means into said second control program data taken in by said taking-in means.

5. The data recorder-reproducer according to claim 4, wherein said first control program data is input to said taking-in means through an Ether-network.

6. The data recorder-reproducer according to claim 4, wherein said second control program data is recorded in a detachable

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said setting data is recorded in a detachable memory card and said setting data recorded in said memory card is taken in by inserting said memory card into said taking-in means.

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10. A bit map data processing method of a data recorder-reproducer comprising a recording medium which can be accessed at random and plural input/output means, in which said input/output processing means process input data including video and/or audio data and outputs and records them in said recording medium within the respectively allotted time slot duration and moreover, inputs said data reproduced from said recording medium within said time slot duration and processes and outputs said input data, said bit map data processing method of said data recorder-reproducer comprising:

a first step of taking in bit map data input from the external; and

a second step of superimposing said bit map data taken in by said first step upon data output from said recording medium or data input to said input/output processing means.

11. The bit map data processing method of the data recorder-reproducer according to claim 10, wherein

said bit map data is taken in by said first step through an Ether-network.

12. The bit map data processing method of the data recorder-reproducer according to claim 10, wherein

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said bit map data is recorded in a detachable memory card and said bit map data recorded in said memory card is taken in by said first step.

13. A control program data processing method of a data recorder-reproducer comprising a recording medium which can be accessed at random and plural input/output means, in which said input/output processing means process input data including video and/or audio data and outputs and records them in said recording medium within the respectively allotted time slot duration and moreover, inputs said data reproduced from said recording medium within said time slot duration and processes and outputs said input data, said control program data processing method of said data recorder-reproducer comprising:

a first step of storing first control program data which is used for processing of said plural input/output processing means in a rewritable storing means;

a second step of taking in second control program data which is input from the external and is used for processing of said plural input/output processing means;

a third step of rewriting said first control program data stored in said storing means into said second control programs data taken in by said first step; and

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a fourth step of processing said data which is input/output to/from said input/output processing means based on said second control program data stored by said third step.

14. The control program data processing method of the data recorder-reproducer according to claim 13, wherein

said second control program data is taken in by said first step through an Ether-network.

15. The control program data processing method of the data recorder-reproducer according to claim 13, wherein

said second control program data is recorded in a detachable memory card and said second control program data recorded in said memory card is taken in by said first step.

16. A setting data processing method of a data recorder-reproducer comprising a recording medium which can be accessed at random and plural input/output means, in which said input/output processing means process input data including video and/or audio data and outputs and records them in said recording medium within the respectively allotted time slot duration and moreover, inputs said data reproduced from said recording medium within said time slot duration and processes and outputs said input data, said setting data processing method of said data recorder-reproducer comprising:

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a first step of taking in setting data which is input from the external and is previously given in processing of said plural input/output processing means;

a second step of changing settings corresponding to said input/output processing means based on said setting data taken in by said first step; and

a third step of processing said data which is input/output to/from said input/output processing means based on said setting data.

17. The setting data processing method of the data recorder-reproducer according to claim 16, wherein

said setting data is taken in by said first step through an Ether-network.

18. The setting data processing method of the data recorder-reproducer according to claim 16, wherein

said setting data is recorded in a detachable memory card and said setting data recorded in said memory card is taken in by said first step.

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